

C56

DC-Link Capacitor

直流支撑电容器

C56



产品特点.Characteristics

- 聚丙烯膜介质;
 - 塑料外壳封装, 干式环氧树脂灌注;
 - 铜螺母/螺杆引出, 容量大、体积小、安装方便;
 - 高纹波电流, 高dV/dt承受能力;
 - 耐压高, 具有自愈性。
- Polypropylene film dielectric
 - Plastic shell packaging, dry resin perfusion
 - Copper nut /screw elicited, large capacity, small size, easy installation.
 - High ripple current, high dV/dt withstand capacity
 - Esistance to high voltage,with self-healing.

产品应用.Application

- 广泛应用于DC-Link电路中, 作滤波储能用。
 - 能代替电解电容, 性能更优, 寿命更长。
 - 光伏逆变器, 风电变流器; 各种变频器及逆变电源; 纯电动及混合动力汽车; SVG,SVC等各类电能质量管理设备。
- Widely used in of DC-link circuit for energy storage.
 - Can replace electrolytic capacitors,better performance and longer life.
 - Pv inverter,wind power converter,All kinds of frequency converter and inverter power supply;Pure electric and hybrid cars;SVG,SVC devices and other kinds of power quality management.

性能参数.Technical Data

● 引用标准 Reference Standards	GB/T 17702 IEC 61071
● 工作温度范围 Operating Temperature Range	-40℃~+85℃, Top max:+105℃
● 容量范围 Capacitance Range	20μF~750μF
● 额定电压 Rated Voltage	700VDC~1800VDC
● 容量偏差 Capacity Tolerance	±5%(J); ±10%(K)
● 极间耐电压 Test voltage between electrodes	1.5UN (DC) 60S 20℃
● 极壳耐电压 Test voltage between electrode and case	1000+2×UN/√2(VAC) 50Hz 60S (min 3000VAC)
● 损耗角正切 Dissipation Factor	tgδ≤2×10-3 at 20℃ 1KHz
● 绝缘电阻 Insulation Resistance	C•R≥5000S, at 20℃ 100VDC 60S
● 预期寿命 Life Expectancy	100000hrs (Un θhotspot ≤ 70℃)

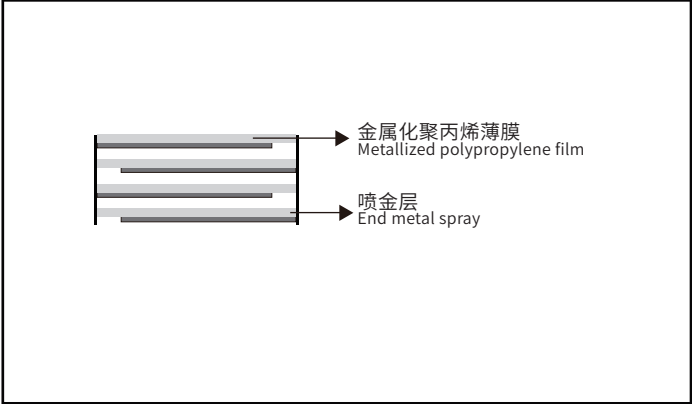
过压运行.Overvoltage Operation

1.1×UN	30% of on-load-dur.
1.15×UN	30 min/day
1.2×UN	5 min/day
1.3×UN	1min/day
1.5×UN	100ms every time, no more than 1000 times during the lifetime

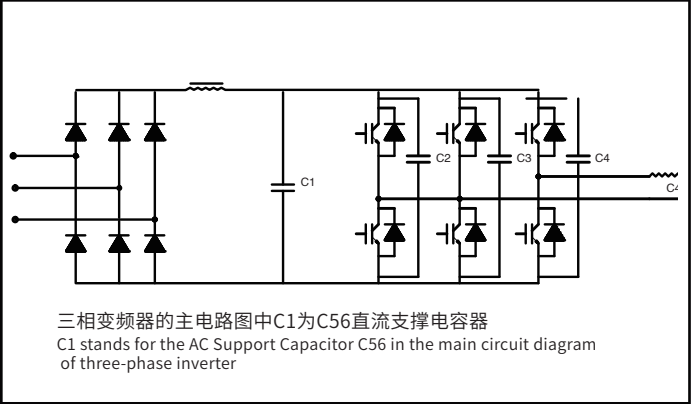
C56

DC-Link Capacitor

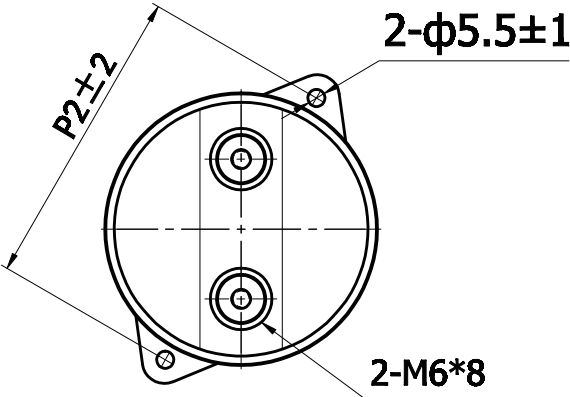
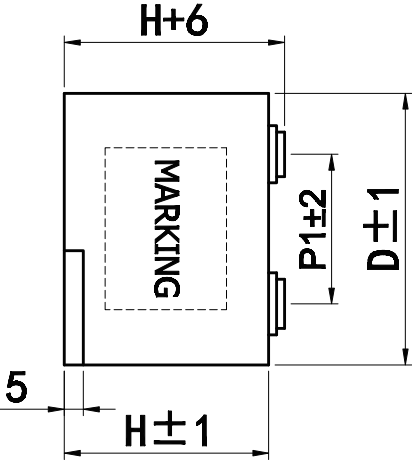
结构图.Construction Diagram



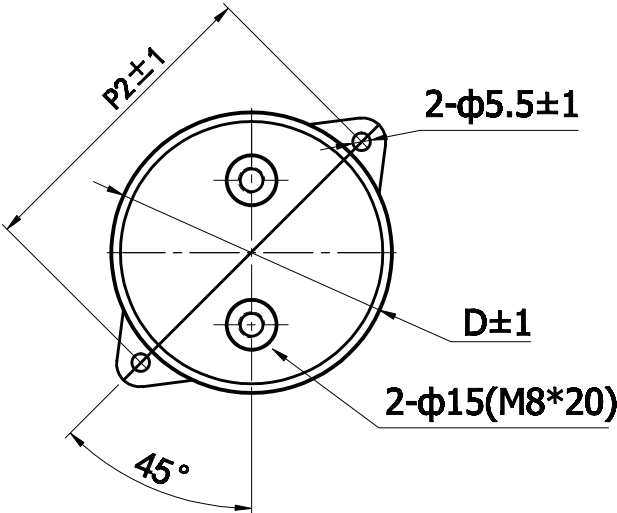
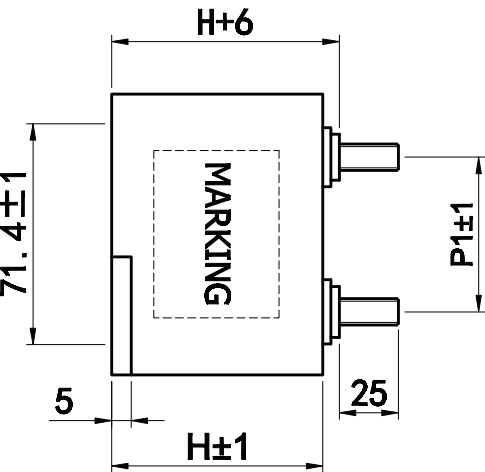
典型线路图.Typical Circuit



产品外形.Product Shape



F

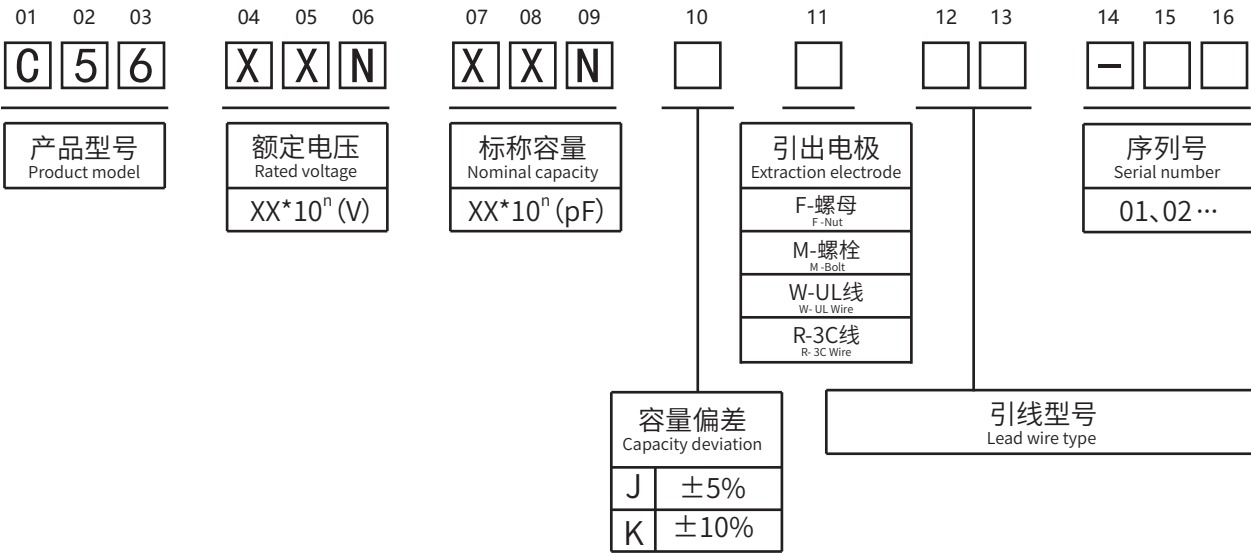


M

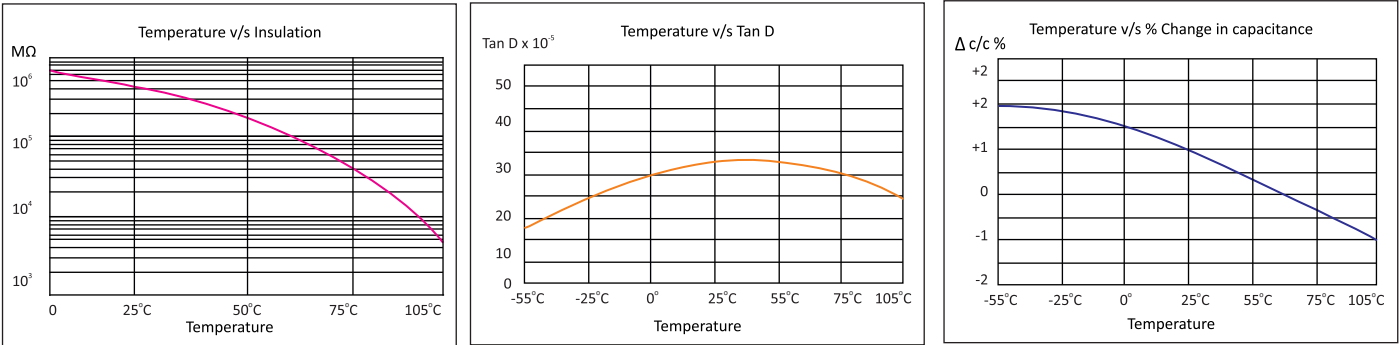
C56

DC-Link Capacitor

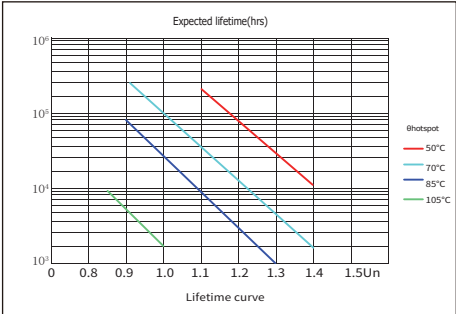
产品编码.Product Coding



温度特性.Frequency Characteristics



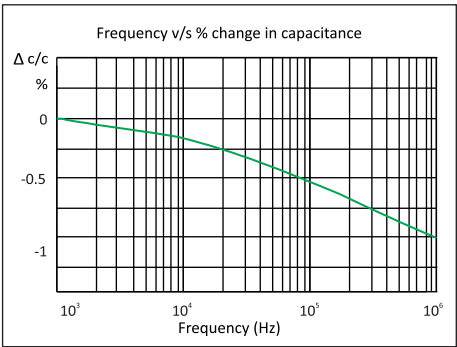
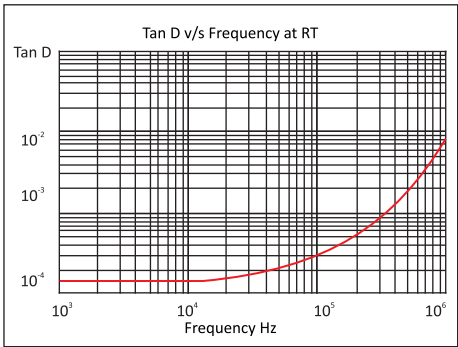
预期寿命 Life Expectancy



C56

DC-Link Capacitor

频率特性.Temperature Characteristics



参数表.Article Table

Part Number	CAP μF	Dimension (mm)		dv/dt (V/μs)	Ipeak (A)	Irms @100KHz50℃ (A)	ESL (nH)	ESR @10KHz20℃ (mΩ)	Output
		L	D						
UN 700VDC									
C56701157K●●●●●	150	51	85	35	5250	85	0.4	<30	M6
C56701247K●●●●●	240	65	85	23	5520	60	1	<40	M6
UN 900VDC									
C56901107K●●●●●	100	51	85	45	4500	75	0.55	<30	M6
C56901157K●●●●●	150	65	85	30	4500	55	1.1	<40	M6
UN 1000VDC									
C56102806K●●●●●	80	51	85	50	4000	70	0.6	<30	M6
UN 1100VDC									
C56112706K●●●●●	70	51	85	55	3850	70	0.65	<30	M6
C56112106K●●●●●	100	65	85	36	3600	50	1.3	<40	M6
UN 1250VDC									
C561252506K●●●●●	50	51	85	65	3250	65	0.75	<30	M6
C561252756K●●●●●	75	65	85	40	3000	45	1.5	<40	M6
UN 1450VDC									
C561452406K●●●●●	40	51	85	70	2800	60	0.8	<30	M8
C561452506K●●●●●	50	65	85	48	2400	45	1.6	<40	M6
UN 1800VDC									
C56182256K●●●●●	25	51	85	90	2250	55	1	<30	M8
C56182356K●●●●●	35	65	85	60	2100	40	2	<40	M8

以上表格/图形仅供参考，以实物为准，(单位:mm)
The above table / graphics are for reference only, subject to the actual product (unit: mm)